

# PATENT ABSTRACTS OF JAPAN

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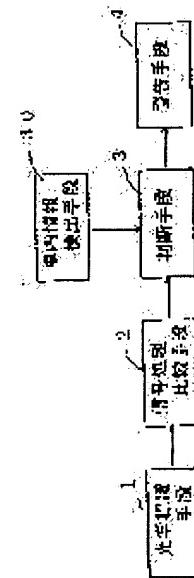
(71)Applicant : CLARION CO LTD

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(72)Inventor : OKADA MASATAKA  
IMAGAWA TOSHIYUKI**(54) DEVICE FOR READING INFORMATION OUTSIDE VEHICLE****(57)Abstract:**

PURPOSE: To improve safety at the time of traveling by recognizing an object outside a vehicle through an object recognizing means, extracting the recognition signals thereof each defined time to compare the signals at each different time with the other, and distinguishing the existence of the approaching object from the compared result and giving warning.

CONSTITUTION: An optical recognizing means 1 which recognizes an object by means of light, sound waves, or electromagnetic waves, etc. and which outputs object recognition signals for outputting the image signal of the object is provided on the captioned device and the recognition signals thereof are inputted into a comparing means 2. The comparing means 2 extracts the recognition signals for each defined time and, by giving a defined signal processing, the image at each defined time is compared to one at the other time. Then, this compared signal is sent to a judging means 3, which, in turn, distinguishes the object approaching a vehicle on which this device is mounted. That is, by comparing an image at a certain time with one at a defined time later, it is judged whether the object is approaching or parting. In accordance with the judged result, warning is given from a warning means 4 to a driver, etc. to call his attention.

**LEGAL STATUS**

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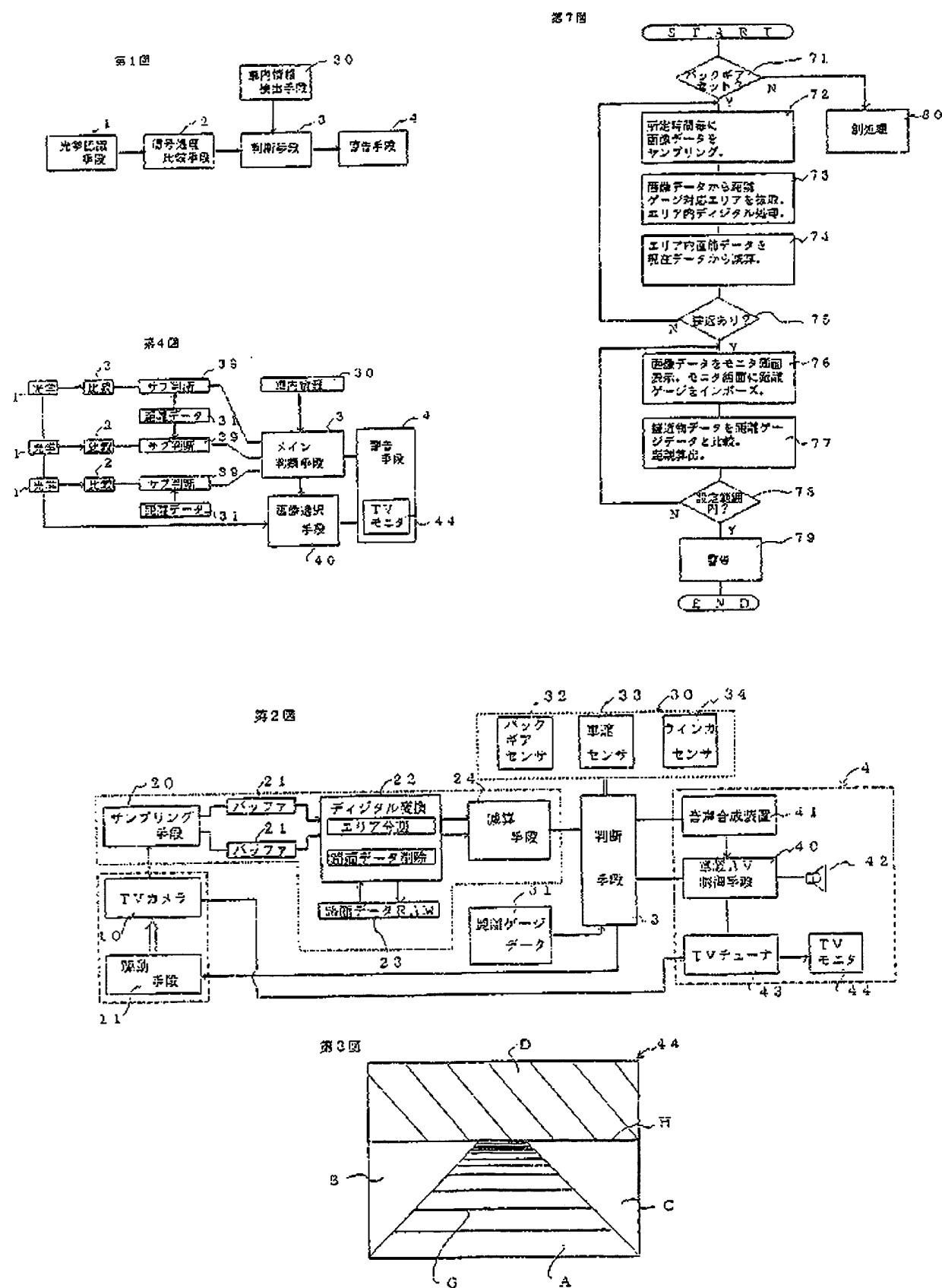
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